								Pege 1 of 2	
					ATTY. DOCKET NO. 0652.2150001/EKS/PAJ	APPL I 09/68	CATION NO. 8,371	ري ١٠٠٠	
7.00			10-1449	MENT	APPLICANT Cotten <i>et al</i> .		JA	N 1 8 2001 W	
<u>1N</u>	FURMATIC	JN DISC	LOSURE STATE	<u>MENI</u>	FILING DATE	GROUP 1646	JAN 1 8 2001 W		
				II.S.	October 12, 2000 1646 PATENT DOCUMENTS RADEMAR				
EXAMINER				0.0.	THE WEST CONTRACTOR				
INITIA		DOCUM	ENT NUMBER	DATE	NAME	CLASS	SUB-CLASS_	FILING DATE	
	AA	_					 		
	AB	├							
	AC	-					- 		
	AD	1			***				
	AE AF	 					<u> </u>		
	AG	 							
·	AH	 	-						
	AI					T T			
	AJ	†			:				
	AK					.			
	, AK	1.	······································	FORE I	GN PATENT DOCUMENTS				
EXAMINER INITIAL		DOCUM	IENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
SHE	AL1	WO 97	7/40180	10/30/1997	WIPO			Yes No	
								Yes No	
	AM	<u> </u>						Yes	
	AN	 						No Yes	
	AO	<u> </u>					 	No Yes	
	AP							No	
			OTHER (Including Author	, Title, Date, Pertinent Page	es, etc.)			
SH	AR	1	Baker, A., condensing Stockton Pr	and linking plasm	/lenimine (PEI) is a simple, mid DNA to adenovirus for gen	inexpensive ar e delivery," (nd effective Gene Ther. 4:	reagent for 773-782,	
H	AS	1	insertions	or deletions in o	icient and flexible system for early regions 1 and 3," <i>Proc</i> . s of the USA (1994).	r construction Natl. Acad. S	n of adenovir Ci. USA 91: 88	us vectors with 102-8806, The	
Str	AT	1	culture and	, et al., "A vers in vivo: Polyeth Sciences of the D	satile vector for gene and ol nylenimine," <i>Proc. Natl. Acad.</i> USA (1995).	igonucleotide Sci. USA 92:	transfer int 7297-7301, Th	o cells in e National	
EXAMINER S	Can	H.	76			DATE CONSI	DERED 3/2/	/2	
EXAMINER: Ini	tial if t in cor	refere	oce consider	ed, whether or no	ot citation is in conformance ude copy of this form with ne	with MPEP 60 xt communicat	9. Draw line	through	

					ATTY. DOCKET NO. 0652.2150001/EKS/PAJ	APPL 09/6	ICATION NO	Page 2 of		
**	IEODMATI		TO-1449	MENT	APPLICANT Cotten et al.		LIAN	1 8 2001		
<u>۱۳</u>	POKAATI	UN DIS	CEUSURE STATE	<u>neni</u>	FILING DATE October 12, 2000	GROU 1646	E.	_Q		
				U.S	. PATENT DOCUMENTS		TRA	DEMARK		
XAMINER INITIAL		DOCU	MENT NUMBER	DATE ·	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA						<u> </u>			
	AB	4								
	AC	 								
	AD AS	+								
	AE AF	+								
	AG	\dagger								
	АН									
	AI									
	AJ									
	AK							<u> </u>		
				FORE	IGN PATENT DOCUMENTS		<u> </u>	Τ		
XAMINER NITIAL		DOCL	MENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION Ye		
	AL	ļ						N Ye		
	АМ	-						N Ye		
	AN	_						N Ye		
	AO							. N		
	AP		_					Ye N		
			OTHER	(Including Autho	or, Title, Date, Pertinent Pa	ages, etc.)				
S.	AR	2	Collular a	nd Mucosal Immu	enovirus-Simian Immunodefici ne Responses in Rhesus Macac ol. 71:8531-8541, American S	ues and Decrea	ses Viral Burc	ien following		
	AS	Caravokyri, C. and K. N. Leppard, "Constitutive Episomal Expression of Polypeptide IX (pIX) in a 293-Based Cell Line Complements the Deficiency of pIX Mutant Adenovirus Type 5," J. Virol. 69:6627-6633, American Society for Microbiology (1995).								
SP	АТ	Celli, G., et al., "Soluble dominant-negative receptor uncovers essential roles for fibroblast growth factors in multi-organ induction and patterning," EMBO J. 17:1642-1655, Oxford University Press (March, 1998).								
EXAMINER	<u> </u>	1/2.	A	26		DATE CON	SIDERED 7/2	p		
EXAMINER: In	itial i	f refer	ence conside	red mether or	not citation is in conformal	nce with MPEP 6	009. Draw line	e through		

Page 3 of 28 APPLICATION NO ATTY. DOCKET NO. 0652.2150001/EKS/PAJ 09/688,371 FORM PTO-1449 APPLICANT JAN 1 8 2001 Cotten et al. INFORMATION DISCLOSURE STATEMENT GROUP FILING DATE 1646 October 12, 2000 U.S. PATENT DOCUMENTS **EXAMINER** NAME CLASS SUB-CLASS FILING DATE DOCUMENT NUMBER DATE INITIAL AA ΑB AC AD ΑE ΑF AG AH ΑI ΑJ ΑK FOREIGN PATENT DOCUMENTS EXAMINER TRANSLATION INITIAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS Yes No Yes No AM Yes No AN Yes No AO Yes No AP OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Chartier, C. et al., "Efficient Generation of Recombinant Adenovirus Vectors by Homologous Recombination in Fscherichia coli, " J. Virol. 70:4805-4810, American Society for Microbiology AR <u>3</u> (1996). Chiocca, S. et al., "The Complete DNA Sequence and Genomic Organization of the Avian Adenovirus AS <u>3</u> CELO, " J. Virol 70:2939-2949, American Society for Microbiology (1996). Chiocca, S., et al., "Identification of a Novel Antiapoptotic Protein, GAM-1, Encoded by the CELO ΑT 3 Adenovirus, J. Virol. 71:3168-3177, American Society for Microbiology (1997). DATE CONSIDERED **EXAMINER** EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through

citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

O I P & SC 100 3

Page 4 of 28

					ATTY. DOCKET NO. 0652.2150001/EKS/PAJ		APRILICATION NO. 09/6843771		
19			PTO-1449 CLOSURE STATE	MENT	APPLICANT Cotten et al.			MAL	
ă.		510	ocoone omi		FILING DATE October 12, 2000		GROUP 1646		
				U.S.	PATENT DOCUMENTS				
EXAMINER INITIAL		pocu	MENT NUMBER	DATE .	NAME	CLA	ss	SUB-CLASS	FILING DATE
	AA	1							
	АВ								_
	AC								
	AD	<u> </u>				_			
	AE	<u> </u>				+			
	AF	-							
	AG					+			
	AI	\vdash	ш			_			
	AJ	 				_			
	AK								
	<u> </u>			FORE I	GN PATENT DOCUMENTS				
EXAMINER INITIAL		DOCU	MENT NUMBER	DATE .	COUNTRY	CLA	ıss	SUB-CLASS	TRANSLATION
	AL					<u> </u>			Yes No
							,		Yes
	AM					-			No Yes
	AN	\vdash							No Yes
	AO	 						-	No Yes
	AP			3					No
	— т		OTHER (Including Author	, Title, Date, Pertinent Pages,	etc.))		
Me 1	AR	<u>4</u>	Colby, W.W. Detectable	, and Shenk, T., Polypeptide IX,"	"Adenovirus Type 5 Virions Can J. Virol. 39:977-980, American	Be As Socie	sembled ty for 1	In Vivo in Microbiology	the Absence of (1981).
	AS	<u>4</u>	Delivery to	Mammalian Cells	Adenovirus (CELO Virus) Partic and Yield Exceptional Levels o ety for Microbiology (1993).				
SF	AT	4			enoviruses: Effect on Egg Produ 459-470, The American Associat				
EXAMINER (Man	n	10%			DATE	CONSIDE	ERED J	1/2
					ot citation is in conformance w ude copy of this form with next				

Page 5 of 28

		500M D	70.1//0		ATTY. DOCKET NO. 0652.2150001/EKS/PAJ APPLICATION NO.S 92/688,371					
			ro-1449		APPLICANT Cotten et al.	MA	BK DEEL			
<u>IN</u>	<u>FORMATIC</u>	ON DISC	LOSURE STATE	MENT	FILING DATE October 12, 2000	GROUP 1646				
				U.S.	PATENT DOCUMENTS	-				
EXAMINER		DOC! IM	ENT NUMBER	DATE	MAME	CLASS	CUD CLACC	FILLING DATE		
INITIAE	AA	DOCOM	ENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AB									
	AC		-							
	AD									
	AE									
	AF	<u> </u>								
	AG	<u> </u>				<u></u>		!		
	AH	<u> </u>				-				
	AI	├				_				
	AJ	<u> </u>	****			1				
	AK	J		SOREI	GN PATENT DOCUMENTS					
EXAMINER	I	T		T TOKE I	BN FATENT DOCOMENTS					
INITIAL		DOCUM	ENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION		
	AL							Yes No		
	АМ							Yes No		
	AN							Yes No		
	AO							Yes No		
	AP							Yes No		
			OTHER (Including Author	, Title, Date, Pertinent Pages,	etc.)	•			
St	AR	<u>5</u>	Crouzet, J.	, et al., "Recomb	oinational construction in Esche Sci. USA 94:1414-1419, The Natio	erichia coli d	of infectiou of Sciences	s adenoviral of the USA		
	AS DeGregori, J., et al., "Distinct roles for E2F proteins in cell growth control and apoptosis," Proc. Natl. Acad. Sci. USA 94:7245-7250, The National Academy of Sciences of the USA (1997).									
SP	AT	<u>5</u>	Degryse, E. constructio	, "In vivo intern ns," <i>Gene 170</i> :45-	molecular recombination in <i>Esche</i> 50, Elsevier Science B.V. (1996	erichia coli: 5).	application	to plasmid		
EXAMINER	Sh	·	Ab	/		DATE CONSID	ERED 7	3/2		
EXAMINER: Init	EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.									

Jin 1 8 2007 00 11

Page 6 of 28

FORM PTO-1449

ATTY. DOCKET NO.
0652.2150001/EKS/PAJ

APPLICANT
Cotten et al.

INFORMATION DISCLOSURE STATEMENT						Cotten et al.				
<u></u>	I FORFIAT I	JN DISC	LUSURE STATE	<u>Meni</u>		G DATE er 12, 2000		GROUP 1646		
				U.S.		DOCUMENTS				
EXAMINER INITIAL		DOCUM	IENT NUMBER	DATE	NAME		CLA	ıss	SUB-CLASS	FILING DATE
	AA									
	АВ									
	AC									
	AD									
	AE					•				
	AF									, m
	AG								Z	44/2
	АН	<u> </u>							<i>E</i>	ZOm S
	AI								A	· · · · · · · · · · · · · · · · · · ·
	AJ								`	PRANK OFFICE
	AK									
				FORE I	GN PATEN	T DOCUMENTS				
EXAMINER INITIAL	İ	DOCU	MENT NUMBER	DATE -	COUNTRY		CL.	ASS	SUB-CLASS	TRANSLATION
	AL									Yes No
*****										Yes
	AM							····		No Yes
	AN					the state of the s				No Yes
	AO					*****				No
****	AP									Yes No
			OTHER (Including Author	, Title,	Date, Pertinent Pag	es, etc.)		
SH	AR	<u>6</u>	de Quinto, s aphthovirus (September,	IRES-based bicis	ez-Salas, stronic e	E., "Parameters in expression vectors,"	fluencing Gene 217	, transl :51-56,	ational eff Elsevier Sc	iciency in cience B.V.
	AS	de Wet, J.R., et al., "Firefly Luciferase Gene: Structure and Expression in Mammalian Cells," Mol. Cell. Biol. 7:725-737, American Society for Microbiology (1987).								
S#	AT	6	Evan, G.I. o	et al., "Isolatic ol. Cell. Biol. 5	on of Mor :3610-36	noclonal Antibodies S 16, American Society	for Mic	robiolog	gy (1985).	oto-Oncogene
EXAMINER	lean	- 1	A Fol				DATE	CONSIDE	ERED 3	2/2

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

		•.					Jak	O I PE	50	
							TEXT &	1 8 2001	100 30	Page 7 of
						ATTY. DOCKET NO. 0652.2150001/EKS/PAJ	RAQU	APRI 10	TION NO. 371	
		FORM P1	0-1449		1	APPLICANT			-	
<u>IN</u>	FORMATIC	N DISC	LOSURE STATE	MENT	-	Cotten <i>et al.</i> FILING DATE		GROUP		
						October 12, 2000		1646		
	r	1		<u> </u>	J.S. PA	TENT DOCUMENTS				
XAMINER NITIAŁ		DOCUM	ENT NUMBER	DATE	NAI	1E	С	LASS	SUB-CLASS	FILING DATE
	AA		· · · · · ·							
	AB	ļ				· · · · · · · · · · · · · · · · · · ·				Hara Title
	AC	 								n t.
-	AD AE	ļ		*						
	AF									
	AG									
	АН									
	AI									
	AJ	<u> </u>			_	<u> </u>				
	AK	l		<u> </u>	DETCH I	PATENT DOCUMENTS				<u> </u>
AMINER	<u> </u>	T			KEIGN F	ATENT DOCUMENTS	1			
ITIAL		DOCUM	ENT NUMBER	DATE	CO	UNTRY	C	LASS	SUB-CLASS	TRANSLATION
	AL									Yes No
						,				Yes
	AM	 			_					No Yes
	AN									No
	AO									Yes No
	AU	\dagger			+					Yes
	AP	<u> </u>								No
	1	Т	OTHER (Including Aut	hor, T	itle, Date, Pertinent I	Pages, etc	.)		
SH	AR	7	Fisher, K.J Cystic Fibr	., et al., "R osis," Virol.	ecombin <i>217</i> :11	ant Adenovirus Deleted -22, Academic Press (1	d of All Vi 1996).	iral Gene	s for Gene 1	Therapy of
	AS	7	Gerber, H 126:1149-11	P., et al., " 59, The Compa	VEGF is	required for growth a iologists Limited (Mar	and surviva	al in neom	natal mice,'	· Develop.
Sp	AT	Z	Gerdts, V., Virol. 78:2	et al., "Pro 139-2146, Soc	tection	of pigs against Aujes r General Microbiology	szky's disc ((1997).	ease by D	NA vaccinati	ion," J. Gen.
XAMINER	L		- 18 (a)	/			DAT	E CONSIDE	RED 3	/2
EXAMINER: Init	ial if	refere	nce consider	ed, whether o	r not o	itation is in conformations copy of this form with	ance with I	MPEP 609. municatio	Draw line n to Applica	through

Page	8	οf	21

				<u> </u>	' " 20	m 81		Pa	
. <u>.</u>				ATTY. DOCKET NO. 0652.2150001/EKS/PAJ		APP 84 C	ATION NO. ,371	•	
INFO	FORM PTO-1449 ORMATION DISCLOSURE STATE	EMENT		APPLICANT Cotten et al.					
				FILING DATE October 12, 2000		GROUP 1646			
			U.S. P	PATENT DOCUMENTS					
MINER TIAŁ	DOCUMENT NUMBER	DATE .	N	IAME	CLA	iss	SUB-CLASS	FILING	

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	АН			_			
	AI						
	AJ						
	AK						
			FOR	REIGN PATENT DOCUMENTS		•	•
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	АМ						Yes No
	AN						Yes No
	AO						Yes No
	ДР						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Ghosh-Choudhury, G. et al., "Protein IX, a minor component of the human adenovirus capsid, is AR <u>8</u> essential for the packaging of full length genomes," EMBO J. 6:1733-1739, IRL Press (1987). Gluzman, Y., et al., "Helper-free Adenovirus Type-5 Vectors," in Eukaryotic Viral Vectors, AS <u>8</u> Gluzman, Y., ed., Cold Spring Harbor Laboratory, Cold Spring Harbor, NY, pp. 187-192 (1982). Graham, F. L. et al., "Characteristics of a Human Cell Line Transformed by DNA from Human Adenovirus Type 5," J. gen. Virol. 36:59-72, Cambridge University Press (1977).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Page 9 of 28

ATTY. DOCKET NO. 0652.2150001/EKS/PAJ 09/688,371 FORM PTO-1449 APPLICANT Cotten et al. INFORMATION DISCLOSURE STATEMENT **GROUP** FILING DATE October 12, 2000 1646 U.S. PATENT DOCUMENTS EXAMINER CLASS SUB-CLASS FILING DATE DOCUMENT NUMBER DATE NAME INITIAL AΑ ΑB AD ΑE ΑF AG ΑН ΑI ΑJ AK FOREIGN PATENT DOCUMENTS **EXAMINER** CLASS SUB-CLASS TRANSLATION INITIAL DOCUMENT NUMBER DATE COUNTRY Yes No AL Yes AM No Yes No Yes No AO Yes No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Grubb, B.R., et al., "Inefficient gene transfer by adenovirus vector to cystic fibrosis airway 9 epithelia of mice and humans," Nature 371:802-806, Macmillan Publishers Ltd (1994). Hardy, S., et al., "Construction of Adenovirus Vectors through Cre-lox Recombination," J. Virol. AS 71:1842-1849, American Society for Microbiology (1997). Havenga, M.J.E., et al., "Second gene expression in bicistronic constructs using short synthetic intercistrons and viral IRES sequences," Gene 222:319-327, Elsevier Science B.V. (November, 1998). DATE CONSIDERED EXAMINER EXAMINER: Initial if reference copsidered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

OIP L SC 00 US

Page 10 of 28

					ATTY. DOCKET NO. 0652.2150001/EKS/PAJ 09/688,371					
	I	FORM P	TO-1449		APPLICANT					
IN	FORMAT 10	N DISC	LOSURE STATE	MENT	Cotten et al. FILING DATE		GROUP			
					October 12, 2000 1646					
				U.S.	PATENT DOCUMENTS					
EXAMINER INITIAŁ		DOCUE	IENT NUMBER	DATE	NAME	CLA	cc	SUB-CLASS	FILING DATE	
INTITAE	AA	DOCON	IENI NOMBER	DATE	NAPIL	100		30B CLASS	FILING DATE	
	AB					1				
	AC							,		
	AD									
	AE									
,	AF									
	AG					_				
	АН	<u> </u>				_				
	AI	 				-				
	AJ	 				1				
	AK									
	ī			FOREIC	GN PATENT DOCUMENTS	т—		1		
EXAMINER INITIAL		DOCU	MENT NUMBER	DATE	COUNTRY	CLA	ıss	SUB-CLASS	TRANSLATION	
	AL								Yes No	
	АМ			·					Yes No	
	AN								Yes No	
<u> </u>	AO								Yes No	
	AP								Yes No	
	I AP		OTHER (Including Author	, Title, Date, Pertinent Pages,	etc)			NO	
	1		OTHER (metading Addition,	, Titte, bate, refettlent rages,	e.c.,	,			
SH	AR	<u>10</u>	Hay, R.T. et Academic Pro		on of Adenovirus Mini-chromosom	es,"	J. Mol.	Biol. 175 :4	93-510,	
He, TC., et al., "A simplified system for generating recombinant adenoviruses," Proc. Natl. Acad. Sci. USA 95:2509-2514, The National Academy of Sciences of the USA (March, 1998).									Proc. Natl. 9 8).	
SHE	AT	10		al., "The Avian ic Press (1995).	Adenovirus Penton: Two Fibres a	nd On	e Base,'	' J. Mol. Bi	o1 . 252 :379 -	
EXAMINER	86	inn.	~ /d			DATE	CONSIDE	RED 5/7	/2	
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.										

DATE CONSIDERED

						V		Page 11 of	28
					ATTY. DOCKET NO. 0652.2150001/EKS/PAJ	05	PHECATE NO.		
		FORM PT			APPLICANT Cotten et al.				
<u>inf</u>	FORMATIC	N DISC	LOSURE STATE	<u>KENT</u>	FILING DATE October 12, 2000		ROUP 546		
				U.S.	. PATENT DOCUMENTS				
EXAMINER		1						CHINC DATE	
INITIAL		DOCUM	ENT NUMBER	DATE	NAME	CLASS	SUB-CLASS_	FILING DATE	١
	AA	<u> </u>							١
	AB	<u> </u>							1
	AC	_		<u> </u>					1
	AD	↓							1
	AE	↓					-		1
	AF	├ ─							1
	AG	┼			 				1
<u> </u>	AH	┼			 				1
	AI	<u> </u>							1
	AJ	 						· -]
	AK	<u> </u>		5005	IGN PATENT DOCUMENTS]
				TORE	IGN PATENT DUCUMENTS				7
EXAMINER INITIAL		DOCU	MENT NUMBER	DATE	COUNTRY	CLAS	S SUB-CLASS		4
INITIAL	†	1						Yes	٠,
	AL	↓						Yes	
	1	l l						No	
ļ	AM	+						Yes	
	AN							Yes	
								No.	
	AO_	_		<u> </u>				Ye	 s
	AP	1		Ţ				N	<u> </u>
	AF		OTHER	(Including Author	or, Title, Date, Pertinent F	ages, etc.)			
			OTTICK	(The tading he and					
	i								
	1	1	Horwitz M	S. "Adenovirus	ses," in Fields Virology, Th	ird Edition,	Fields, B.N., et	al., eds.,	
	AR	11	Lippincott	-Raven Publisher	rs, Philadelphia, PA, pp. 21	49-2171 (199	96).		
8/1	1								
/_/_									_
1									
1 /			Hunt, C. a	nd Morimoto, R.	I., "Conserved features of	eukaryotic his	sp70 genes reveal ci USA 82:6455-6	ed by comparisor 3459. The	•
1 /	AS	11	luith the n	uclentide sequei	nce of human hsp70," <i>Proc. A</i> ces of the USA (1985).	att. Acua. S	C7, 00 /1 02 10 10 1	•	
1 /			National	cauciny or cover.					
	+-	-	 						
1 1									
		١.,	Imler, J	L., et al., "An	efficient procedure to sele	ect and reco	ver recombinant a	idenov i rus	
87	AT	11	vectors,"	Gene Ther. 2:26	3-268, Stockton Press (1995)	,.			
			1						

EXAMINER: Initial if reference considered whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

EXAMINER

JAN 1 8 2001 00

Page 12 of 28

						ATTY. DOCKET NO. APPLICATION NO. 09/688,371					
		FORM PT	0-1449		APPLICANT						
IN	FORMAT I	ON DISC	LOSURE STATE	MENT	Cotten et		GROUP				
					October 12		1646				
					U.S. PATENT DOCUM	IENTS					
EXAMINER INITIAÈ		DOCUM	ENT NUMBER	DATE .	NAME		CLASS	SUB-CLASS	FILING DATE		
	AA		-					<u> </u>			
	AB										
	AC										
	AD	† —									
	AE										
	AF										
	AG										
	АН										
	AI										
	AJ										
	AK	_									
	TAK			F	OREIGN PATENT DO	CUMENTS					
EXAMINER					COUNTRY		CLASS	SUB-CLASS	TRANSLATION		
INITIAL	┼	DOCU	MENT NUMBER	DATE	COUNTRI		- CENSO		Yes		
	AL								No		
	AM	Ì		į.					Yes No		
									Yes No		
	AN								Yes		
	AO			 		N. Control of the Con	+		No Yes		
	AP								No		
			OTHER	(Including Au	uthor, Title, Dat	e, Pertinent Pages,	etc.)				
81/2	AR	12	Karlsson, Proc. Natl	s. , et al., " . Acad. Sci. U	Transfer of genes <i>JSA 82</i> :1 58 -1 62 , T	s into hematopoietio he National Academy	cells usir	ng recombinar s of the USA	nt DNA viruses," (1985).		
	AS	12	Kawaguchi, Cell Line,	т. et al., " LMH," Can. Б	Establishment and Res. 47:4460-4464	d Characterization (, American Associati	of a Chicker on for Cano	n Hepatocelli er Research	ular Carcinoma (1987).		
ST	AT	12	Khatri, A. Abortive I	, et al., "Ge nfection of I	ene Expression by Human and Animal	Atypical Recombina Cells <i>in Vitro</i> ," <i>Vi</i>			tors during nic Press (1997).		
EXAMINER	51		-21.				DATE CONST	DERED 5/7	/2		
EXAMINER: In	itial i	f refer	ence conside	ered, whether	or not citation	is in conformance w	ith MPEP 60	9. Draw lin	e through		
citation if n	ot in c	onforma	nce and not	considered.	Include copy of	this form with next	Communicat	TOIL TO APPET			

RECEIVED

JAN 19 2001

Page 13 of 28 APPLICATION (ER 1600/2900) ATTY. DOCKET NO. 0652.2150001/EKS/PAJ 09/688,371 FORM PTO-1449 APPLICANT Cotten et al. INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP October 12, 2000 1646 U.S. PATENT DOCUMENTS **EXAMINER** NAME CLASS SUB-CLASS DOCUMENT NUMBER DATE INITIAL AΑ AB AC AD ΑE AF AG ΑН ΑI ΑJ AK FOREIGN PATENT DOCUMENTS EXAMINER TRANSLATION INITIAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS Yes No Yes No AM Yes No AN Yes No Yes OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Klonjkowski, B., et al., "A Recombinant E1-Deleted Canine Adenoviral Vector Capable of Transduction and Expression of a Transgene in Human-Derived Cells and In Vivo," Human Gene Ther. <u>13</u> AR 8:2103-2115, Mary Ann Liebert, Inc. (1997). Kovesdi, 1., et al., "Adenoviral vectors for gene transfer," Curr. Opin. Biotechnol. 8:583-589, AS <u>13</u> Current Biology Ltd (1997). Kumar-Singh, R., and Chamberlain, J.S., "Encapsidated adenovirus minichromosomes allow delivery and expression of a 14 kb dystrophin cDNA to muscle cells," Human Mol. Genet. 5:913-921, Oxford University Press (1996). DATE CONSIDERED **EXAMINER** EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

		FORM PT	n-1//Q	-	ATTY. DOCKET NO. 0652.2150001/EKS/P		1CATION NO. 88,371	010
					APPLICANT Cotten et al.			14N
<u>IN</u>	IFORMATIC	ON DISCL	OSURE STATE	MENI	FILING DATE October 12, 2000	GROU 1646	s \z• .	* * * * * * * * * * * * * * * * * * *
					J.S. PATENT DOCUMENTS			MARK OFFICE
AMINER		DOCUM	ENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA							
	АВ	<u> </u>						
	AC	├ ─						
	AD	┼	<u> </u>					
	AE	+						
	AF AG	+	·					
	AH	+						
	AI							
	AJ							
	AK							
				F	OREIGN PATENT DOCUMENTS			
(AMINER	-	DOCUM	MENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
ITTIAL	+	10000	LIVI WONDER					Ye
	AL			·				Y
	AM							<u> </u>
	TAN-	+-						Ye
	AN			<u> </u>				Y
	AO	ļ						<u> </u>
	TAU T	_						Υ,
	AP							
			OTHER	(Including A	uthor, Title, Date, Pert	inent Pages, etc.)		
S/75	AR	14	Lasher, H. Decades,",	N., and Davis Avian Disease	s, V.S., "History of Infe s 41:11-19, The American	ectious Bursal Diseas Association of Avia	e in the U.S.A n Pathologists	The First Two (1997).
	AS	14	Laver, W.G Adenovirus	., et al., ")," Virol. 4	Purification and Propert 5:598-614, Academic Press	ies of Chick Embryo L s (1971).	ethal Orphan V	irus (an Avian
SHE	AT	14	Lemay, P.,	et al., "Hu	man Adenovirus Type 2 Pr			ademic Press
		-//				DATE CO	INSIDERED (9/2
EXAMINER		//-	—— <i>,</i>	7 /			O /	

O I P SC TO Page 15 of 28

APPLICATION NO. ATTY. DOCKET NO. 0652.2150001/EKS/PAJ FORM PTO-1449 APPLICANT Cotten et al. INFORMATION DISCLOSURE STATEMENT **GROUP** FILING DATE 1646 October 12, 2000 U.S. PATENT DOCUMENTS **EXAMINER** FILING DATE SUB-CLASS CLASS DOCUMENT NUMBER DATE NAME INITIAL AA AB AC AD ΑE ΑF AG ΑН ΑI ΑJ ΑK FOREIGN PATENT DOCUMENTS EXAMINER TRANSLATION SUB-CLASS CLASS DATE COUNTRY DOCUMENT NUMBER INITIAL Yes No AL Yes No AM Yes No AN Yes No AΩ Yes No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Levenson, V.V., et al., "Internal Ribosomal Entry Site-Containing Retroviral Vectors with Green Fluorescent Protein and Drug Resistance Markers," Human Gene Ther. 9:1233-1236, Mary Ann Liebert, AR <u>15</u> Inc. (May, 1998). Li, P., et al., "The Structural Proteins of Chick Embryo Lethal Orphan Virus (Fowl Adenovirus Type 1)," J. Gen. Virol. 65:1803-1815, Society for General Microbiology (1984). AS <u>15</u> Li, P., et al., "DNA-binding Proteins of Chick Embryo Lethal Orphan Virus: Lack of Complementation between Early Proteins of Avian and Human Adenoviruses," J. Gen. Virol. 65:1817-1825, Society for General Microbiology (1984). <u>15</u> ΑT DATE CONSIDERED EXAMINER EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and ot considered. Include copy of this form with next communication to Applicant.

TINFORMATION DISCLOSURE STATEMENT APPLICANT COTTEN et al 1 FILING DATE OCTOBER 12, 2000 U.S. PATENT DOCUMENTS U.S. PATENT DOCUMENT DOCUMENT DOCUMENTS U.S. PATENT DOCUMENT DOC						ATTY. DOCK 0652.21500	KET NO. 001/EKS/PAJ	APPLICA 09/688	ATION NO.	0/0
TITIAL AN AN AN AN AN AN AN AN AN			FORM PTO	o-1449		APPLICANT			E 10	· //
U.S. PATENT DOCUMENTS LIMINER DOCUMENT NUMBER DATE NAME CLASS SUB-CLASS FILING DATE AA AB AC AC AC AC AC AC AC AC	IN	FORMATI	ON DISCL	OSURE STATE	MENT			GROUP	— [] 	182 0
DOCUMENT NUMBER DATE NAME CLASS SUB-CLASS FILING DATE AA AB AC AD AC AD AC AC AD AC AC AD AC								_		an 8/
AA AB AB AC						U.S. PATENT DOCU	MENTS		T ASSET	
AB AC AD AE AF AG AG AN AI AI AJ AK FOREIGN PATENT DOCUMENTS EXAMINER NITIAL AL AN AN AN AN AN AN AN AN	XAMINER NITIAŁ		DOCUME	NT NUMBER	DATE	NAME		CLASS		FILING DATE
AC AD AE AF AG AF AG AN AI AI AJ AJ AX FOREIGN PATENT DOCUMENTS XXMMINER MITIAL AL AN AN AN AN AN AN AN AN		AA	<u> </u>					+	-	
AD AE AF AG AH AI AI AX FOREIGN PATENT DOCUMENTS XXMMINER NITIAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATION Y AM AN AN AN AN AN AN AN AN AN		AB	 							
AE AF AG AH AI AJ AJ AX FOREIGN PATENT DOCUMENTS EXAMINER NITIAL AL AM AN AN AN AN AN AN AD AP OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Li, P. et al., "Structural Organization and Polypeptide Composition of the Avian Adenovirus Cor J. Virol. 52:638-649, American Society for Microbiology (1984). AS Li, X., et al., "Dicistronic LacZ and Alkaline Phosphatase Reporter Constructs Permit Simultane Histological Analysis of Expression from Multiple Transgenes," BioTechniques 23:874-882, Clorte Laboratories, Inc. (1997). Lieber, A., et al., "Recombinant Adenoviruses with Large Deletions Generated by Cre-Mediated Laboratories, Inc. (1997).										
AF AG AH AI AJ AJ AK FOREIGN PATENT DOCUMENTS CLASS SUB-CLASS TRANSLATION NITIAL AL AM AN AN AN AO AD OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Li, P. et al., "Structural Organization and Polypeptide Composition of the Avian Adenovirus Cor J. Virol. 52:638-649, American Society for Microbiology (1984). Li, X., et al., "Dicistronic LacZ and Alkaline Phosphatase Reporter Constructs Permit Simultane Histological Analysis of Expression from Multiple Transgenes," BioTechniques 23:874-882, Clonted Laboratories, Inc. (1997). Lieber, A., et al., "Decombinant Adenoviruses with Large Deletions Generated by Cre-Mediated Laboratories, Inc. (1997).		_	╂							
AG AH AI AI AJ AK FOREIGN PATENT DOCUMENTS XAMINER NITIAL AL AM AN AN AN AN AN AN AN AN AN			-							
AH AI AJ AX FOREIGN PATENT DOCUMENTS EXAMINER INITIAL AL AM AN AN AN AN AN AN AN AN AN		+	+		<u> </u>					
AXMINER NITIAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATION AN A		+	+							
AX FOREIGN PATENT DOCUMENTS EXAMINER NITIAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATION AL AM AN AN AO OTHER (Including Author, Title, Date, Pertinent Pages, etc.) AR 16 Li, P. et al "Structural Organization and Polypeptide Composition of the Avian Adenovirus Cor J. Virol. 52:638-649, American Society for Microbiology (1984). AS 16 Li, X., et al., "Dicistronic LacZ and Alkaline Phosphatase Reporter Constructs Permit Simultane Histological Analysis of Expression from Multiple Transgenes," BioTechniques 23:874-882, Clonted Laboratories, Inc. (1997). Lieber, A., et al., "Recombinant Adenoviruses with Large Deletions Generated by Cre-Mediated Lieber, A., et al., "Recombinant Adenoviruses Sampared with First-Generation Vectors In Vit		+	+-							
FOREIGN PATENT DOCUMENTS CLASS SUB-CLASS TRANSLATION			1						 -	
AR 16 Li, P. et al., "Structural Organization and Polypeptide Composition of the Avian Adenovirus Cord. AS 16 Li, X., et al., "Dicistronic LacZ and Alkaline Phosphatase Reporter Constructs Permit Simultane Histological Analysis of Expression from Multiple Transgenes," BioTechniques 23:874-882, Clonted Laboratories, Inc. (1997). Lieber, A., et al., "Recombinant Adenoviruses with Large Deletions Generated by Cre-Mediated Lieber, A., et al., "Recombinant Adenovirus with Large Deletions Generated by Cre-Mediated Lieber, A., et al., "Recombinant Adenoviruses with Large Deletions Generated by Cre-Mediated Lieber, A., et al., "Recombinant Adenovirus with Large Deletions Generated by Cre-Mediated Lieber, A., et al., "Recombinant Adenovirus with Large Deletions Generated by Cre-Mediated Lieber, A., et al., "Recombinant Adenovirus with Large Deletions Generated by Cre-Mediated Lieber, A., et al., "Recombinant Adenovirus with Large Deletions Generated by Cre-Mediated Lieber, A., et al., "Recombinant Adenovirus with Large Deletions Generated by Cre-Mediated Lieber, A., et al., "Recombinant Adenovirus with Large Deletions Generated by Cre-Mediated Lieber, A., et al., "Recombinant Adenovirus with Large Deletions Generated by Cre-Mediated Lieber, A., et al., "Recombinant Adenovirus with Large Deletions Generated by Cre-Mediated Lieber, A., et al., "Recombinant Adenovirus with Large Deletions Generated by Cre-Mediated Lieber, A., et al., "Recombinant Adenovirus with Large Deletions Generated by Cre-Mediated Lieber, A., et al., "Recombinant Adenovirus with Large Deletions Generated by Cre-Mediated Lieber, A., et al., "Recombinant Adenovirus with Large Deletions Generated by Cre-Mediated Lieber, A., et al., "Recombinant Adenovirus with Large Deletions Generated by Cre-Mediated Lieber, A., et al., "Recombinant Adenovirus with Large Deletions Generated by Cre-Mediated Lieber, A., et al., "Recombinant Adenovirus with Large Deletions Generated by Cre-Mediated Lieber, A., et al., "Recombinant Adenovirus with Large Deletions Gener		+							<u> </u>	<u> </u>
AR 16 Li, X., et al., "Dicistronic LacZ and Alkaline Phosphatase Reporter Constructs Permit Simultane Histological Analysis of Expression from Multiple Transgenes," BioTechniques 23:874-882, Clonted Laboratories, Inc. (1997). Lieber, A., et al., "Recombinant Adenoviruses with Large Deletions Generated by Cre-Mediated Composition of the Avian Adenovirus Company (1984). Lieber, A., et al., "Recombinant Adenoviruses with Large Deletions Generated by Cre-Mediated Company (1984). Lieber, A., et al., "Recombinant Adenoviruses with Large Deletions Generated by Cre-Mediated Company (1984).						FOREIGN PATENT DO	OCUMENTS			T
AN	EXAMINER INITIAL		DOCUM	IENT NUMBER	DATE	COUNTRY		CLASS	SUB-CLASS	
AR 16 Li, P. et al. "Structural Organization and Polypeptide Composition of the Avian Adenovirus Cor J. Virol. 52:638-649, American Society for Microbiology (1984). Li, X., et al., "Dicistronic LacZ and Alkaline Phosphatase Reporter Constructs Permit Simultane Histological Analysis of Expression from Multiple Transgenes," BioTechniques 23:874-882, Clonte Laboratories, Inc. (1997). Lieber, A., et al., "Recombinant Adenoviruses with Large Deletions Generated by Cre-Mediated Compared with First-Generation Vectors In Vitable Different Biological Properties Compared with First-Generation Vectors In Vitable Different Biological Properties Compared with First-Generation Vectors In Vitable Different Biological Properties Compared with First-Generation Vectors In Vitable Different Biological Properties Compared with First-Generation Vectors In Vitable Different Biological Properties Compared with First-Generation Vectors In Vitable Different Biological Properties Compared with First-Generation Vectors In Vitable Different Biological Properties Compared with First-Generation Vectors In Vitable Different Biological Properties Compared with First-Generation Vectors In Vitable Different Biological Properties Compared with First-Generation Vectors In Vitable Different Biological Properties Compared with First-Generation Vectors In Vitable Different Biological Properties Compared with First-Generation Vectors In Vitable Different Biological Properties Compared with First-Generation Vectors In Vitable Different Biological Properties Compared with First-Generation Vectors In Vitable Different Biological Properties Compared with First-Generation Vectors In Vitable Different Biological Properties Compared Witable Different Biological Prop		AL							ļ	Yes No
AN AD OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Li, P. et al "Structural Organization and Polypeptide Composition of the Avian Adenovirus Cor J. Virol. 52:638-649, American Society for Microbiology (1984). AS Li, X., et al., "Dicistronic LacZ and Alkaline Phosphatase Reporter Constructs Permit Simultane Histological Analysis of Expression from Multiple Transgenes," BioTechniques 23:874-882, Clonted Laboratories, Inc. (1997). Lieber, A., et al., "Recombinant Adenoviruses with Large Deletions Generated by Cre-Mediated Lieber, A., et al., "Recombinant Adenoviruses with Large Deletions Generated by Cre-Mediated Lieber, A., et al., "Recombinant Adenoviruses with Large Deletions Generated by Cre-Mediated Lieber, A., et al., "Recombinant Adenoviruses with Large Deletions Generated by Cre-Mediated Lieber, A., et al., "Recombinant Adenoviruses with Large Deletions Generated by Cre-Mediated Lieber, A., et al., "Recombinant Adenoviruses with Large Deletions Generated by Cre-Mediated Lieber, A., et al., "Recombinant Adenoviruses with Large Deletions Generated by Cre-Mediated Lieber, A., et al., "Recombinant Adenoviruses with Large Deletions Generated by Cre-Mediated Lieber, A., et al., "Recombinant Adenoviruses with Large Deletions Generated by Cre-Mediated Lieber, A., et al., "Recombinant Adenoviruses with Large Deletions Generated by Cre-Mediated Lieber, A., et al., "Recombinant Adenoviruses with Large Deletions Generated by Cre-Mediated Lieber, A., et al., "Recombinant Adenoviruses with Large Deletions Generated by Cre-Mediated Lieber, A., et al., "Recombinant Adenoviruses with Large Deletions Generated by Cre-Mediated Lieber, A., et al., "Recombinant Adenoviruses with Large Deletions Generated by Cre-Mediated Lieber, A., et al., "Recombinant Adenoviruses with Large Deletions Generated by Cre-Mediated Lieber, A., et al., "Recombinant Adenoviruses with Large Deletions Generated by Cre-Mediated Lieber, A., et al., "Recombinant Adenoviruses with Large Deletions Generated by Cre-Mediated Lieber, A										Yes No
AR 16 Li, P. et al "Structural Organization and Polypeptide Composition of the Avian Adenovirus Cor J. Virol. 52:638-649, American Society for Microbiology (1984). Li, X., et al., "Dicistronic LacZ and Alkaline Phosphatase Reporter Constructs Permit Simultane Histological Analysis of Expression from Multiple Transgenes," BioTechniques 23:874-882, Clonted Laboratories, Inc. (1997). Lieber, A., et al., "Recombinant Adenoviruses with Large Deletions Generated by Cre-Mediated Compared With First-Generation Vectors In Vitation Different Biological Properties Compared with First-Generation Vectors In Vitation Different Biological Properties Compared with First-Generation Vectors In Vitation Different Biological Properties Compared with First-Generation Vectors In Vitation Different Biological Properties Compared with First-Generation Vectors In Vitation Different Biological Properties Compared with First-Generation Vectors In Vitation Different Biological Properties Compared With First-Generation Vectors In Vitation Different Biological Properties Compared With First-Generation Vectors In Vitation Different Biological Properties Compared With First-Generation Vectors In Vitation Different Biological Properties Compared With First-Generation Vectors In Vitation Different Biological Properties Compared With First-Generation Vectors In Vitation Different Biological Properties Compared With First-Generation Vectors In Vitation Different Biological Properties Compared With First-Generation Vectors In Vitation Different Biological Properties Compared With First-Generation Vectors In Vitation Different Biological Properties Compared With First-Generation Vectors In Vitation Different Biological Properties Compared With First-Generation Vectors In Vitation Different Biological Properties Compared With First-Generation Vectors In Vitation Different Biological Properties Compared With First-Generation Vectors In Vitation Different Biological Properties Compared With Pipel Properties Compared With Pipel Properties Compared								·		Yes No
AR 16 Li, X., et al., "Dicistronic LacZ and Alkaline Phosphatase Reporter Constructs Permit Simultane Histological Analysis of Expression from Multiple Transgenes," BioTechniques 23:874-882, Clonted Laboratories, Inc. (1997). Lieber, A., et al., "Recombinant Adenoviruses with Large Deletions Generated by Cre-Mediated Compared with First-Generation Vectors In Vit										Yes No
AR 16 Li, X., et al., "Dicistronic LacZ and Alkaline Phosphatase Reporter Constructs Permit Simultane Histological Analysis of Expression from Multiple Transgenes," BioTechniques 23:874-882, Clonte Laboratories, Inc. (1997). Lieber, A., et al., "Recombinant Adenoviruses with Large Deletions Generated by Cre-Mediated Compared with First-Generation Vectors In Vit			_							Yes No
AR 16 Li, P. et al "Structural Organization and Polypeptide Composition of the Avian Adenovirus Cor J. Virol. 52:638-649, American Society for Microbiology (1984). Li, X., et al., "Dicistronic LacZ and Alkaline Phosphatase Reporter Constructs Permit Simultane Histological Analysis of Expression from Multiple Transgenes," BioTechniques 23:874-882, Clonte Laboratories, Inc. (1997). Lieber, A., et al., "Recombinant Adenoviruses with Large Deletions Generated by Cre-Mediated Properties Compared with First-Generation Vectors In Vitation Different Ripleminal Properties Compared with First-Generation Vectors In Vitation Different Ripleminal Properties Compared with First-Generation Vectors In Vitation Different Ripleminal Properties Compared with First-Generation Vectors In Vitation Different Ripleminal Properties Compared with First-Generation Vectors In Vitation Different Ripleminal Properties Compared with First-Generation Vectors In Vitation Different Ripleminal Properties Compared with First-Generation Vectors In Vitation Different Ripleminal Properties Compared With First-Generation Vectors In Vitation Different Ripleminal Properties Compared With First-Generation Vectors In Vitation Different Ripleminal Properties Compared With First-Generation Vectors In Vitation Different Ripleminal Properties Compared With First-Generation Vectors In Vitation Different Ripleminal Properties Compared With First-Generation Vectors In Vitation Different Ripleminal Properties Compared With First-Generation Vectors In Vitation Different Ripleminal Properties Compared With First-Generation Vectors In Vitation Different Ripleminal Properties Compared With First-Generation Vectors In Vitation Different Ripleminal Properties Compared With Properties Compared		AP		071150	(Including)	Author Title Da	te Pertinent Page	s, etc.)		
Lieber, A., et al., "Recombinant Adenoviruses with Large Deletions Generated by Cre-Mediated Lieber, A., et al., "Recombinant Adenoviruses with Large Deletions Generated by Cre-Mediated Lieber, A., et al., "Recombinant Adenoviruses with Large Deletions Generated by Cre-Mediated	ST	AR	16		al UStavet	ural Organizatio	n and Polypeptide C	Composition of	f the Avian A	denovirus Core,
1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		AS	16	I Histologic	cal Analysis	of Expression in	Alkaline Phosphatas om Multiple Transg	se Reporter Co enes," <i>BioTeci</i>	onstructs Pe hniques 23:87	rmit Simultaneou: 74-882, Clontech
	ST	AT	16		r niii	acout Biological	Properties compare	U MILLI 1 1102		re-Mediated ectors In Vitro
EXAMINER DATE CONSIDERED 3/2	EXAMINER	1						DATE CONS	IDERED 3	2/2
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.	EXAMINER: I	nitial	if refer	ence cons	lered, whether	er or not citatio	n is in conformance	with MPEP 60)9. Draw lir tion to Appli	ne through

Page 17 of 28

FORM PTO-1449

ATTY. DOCKET NO. 0652.2150001/EKS/PAJ

T-1		ORM PTO	OSURE STATE	<u>IENT</u>	APPLICANT Cotten et al.		GROUP		
11	NFORFIA 1 10	01002			FILING DATE October 12, 20)00	1646		
					.S. PATENT DOCUMENT	<u>s</u>		Τ	
MINER TIAL		DOCUME	NT NUMBER	DATE	NAME		CLASS	SUB-CLASS	FILING DATE
1177.	AA							1	
	AB							 	
	AC	<u> </u>							
	AD	 							
	AE	┼							
	AF								
	AG	 		 				ļ	
	AH	+		 			<u> </u>		
	AI	+					 		
	AK	+							
	AK			<u> </u>	OREIGN PATENT DOCUM	ENTS			Τ
		\top					CLASS	SUB-CLASS	TRANSLATION
(AMINER NITIAL		DOCUM	MENT NUMBER	DATE	COUNTRY		102,100		Ye
	_						<u> </u>		N N
	AL	+		1					Ye
	AM			 			 		Ye
	AN								Y
									<u>'</u>
	AO	+		1			1		
	AP				Title Date	Portinent Pages.	etc.)		
			OTHER	(Including /	Author, Title, Date,	Per Cilient Tagesy			•
St	AR	17	I Responses	H.S., and Tr to Eimeria P ogy (1996).	rout, J.M., "Avian G Parasites," Clin. Mid	ut-Associated Lym crobiol. Rev. 9:34	phoid Tiss 9-360, Ame	ues and Inte	stinal Immune y for
	AS	17	Lubeck, M	.D., et al., oy immunizati	"Long-term protecti on," <i>Nature Med. 3</i> :6	on of chimpanzees 51-658, Nature Am	against h erica Inc.	nigh-dose HIV (1997).	-1 challenge
8/1	AT	17	McFerran Veterina	, J. B. and E	s. McC. Adair, "Avia ssociation (1977).	n Adenoviruses - /			7. 6:189-217, Wa
		1	<u> </u>	de				NSIDERED 5	12/2
EXAMINER		1 4		. 62/	er or not citation i . Include copy of i				ine through

		ORM PTO-	1669		ATTY. DO 0652.215	0001/EKS/PAJ	09/688	3,371	TAN
				MENT	Cotten 6		1	<u> </u>	8 2007 8
<u>1NFC</u>	ORMAT IO	N_DISCLOS	SURE STATE	<u>40 N I</u>	FILING C)ATE 12, 2000	GROUP 1646	<u></u>	
					U.S. PATENT DO			TRACE	104 OFFIX
				-			CI ACC	SUB-CLASS	FILING DATE
MINER TIAE		DOCUMEN	T NUMBER	DATE	NAME		CLASS	SOB GENER	
····	AA								
	AB								
	AC	ļ							
	AD	 		 					
	AE	 		 					
	AF			 					
	AG	┼		 					
	AH	+							
	AJ	+							
	AK	-							
	AK				FOREIGN PATENT	DOCUMENTS			1
AMINER		T			COUNTRY		CLASS	SUB-CLASS	TRANSLATION
INITIAL	↓	DOCUM	ENT NUMBER	DATE	COOKIKI				Ye
	AL	l l							Y
	1 ^{nL}	 		1			_		
	AM								Y
	AN								+Y
	AN						l l		
<u></u> _	AO								Y
	AP		OTHER	(Including	Author, Title	, Date, Pertiner	nt Pages, etc.)		
Str	AR	18	Michou, A for Gene 1999).	A1. et al. Delivery Ve	, "Mutational A	nalysis of the 11. 73:1399-1410	Avian Adenovirus , American Societ	CELO, Which Pr y for Microbio	ovides a Basis logy (February
	AS	18	Mittal, Virol. 7	s.k., et al 6:93-102, so	., "Development ociety for Gene	of a bovine add	enovirus type 3-ba y (1995).	ased expression	n vector," J. (
SA	Z AT	18	Miyake, terminal Sci. USA	s., et al., l protein co 1 93:1320-13	"Efficient ger amplex and a cos 24, The Nationa	neration of reco smid bearing the al Academy of Sc	mbinant adenoviru e full-length viru iences of the USA		novirus DNA- oc. Natl. Acad.
	L_	X	رط	/			DATE C	ONSIDERED 5	h/z

					ATTY. DOCKET NO. 0652.2150001/EKS/PAJ	APPL 10 09/68		
	ſ	FORM PTO	- 1449		APPLICANT			IPE
INF	ORMATIO	N DISCLO	OSURE STATEM	<u>AENT</u>	Cotten et al.	GROUP	6 .	
					FILING DATE October 12, 2000	1646	\$ JAN ,	(C)
				U	.S. PATENT DOCUMENTS		R	* 2007 S
							SUB	FILIN DATE
AMINER Itiae	_	DOCUME	NT NUMBER	DATE	NAME	CLASS	308 900033	HKOK
	AA						+	
	AB	<u> </u>						
	AC	<u> </u>						
	AD	<u> </u>						
	AE	 						
	AF	_						
	AG							
	AH							
	AI							
	AJ							
	AK				DREIGN PATENT DOCUMENTS			
	Τ	т		<u> </u>	ACIGN TATEM DOSS.			TRANSLATION
(AMINER HITIAL	l	DOCUM	MENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	YEARSLATION
ITTAL		1						
	AL			 				Ye
-	١	l l						<u> </u>
	AM			<u> </u>				Ye
	AN _							Y
					}			
	AO			+				Y
	. AP	}						
			OTHER	(Including A	uthor, Title, Date, Pertine	nt Pages, etc.)		
SAF	- AR	19	Ohtsuka, K DnaJ," <i>Bio</i>	с., "Cloning o ochem. Biophys	of a cDNA for Heat-Shock Pro . Res. Commun. 197:235-240,	otein hsp40, a Huma Academic Press (19	an Homologue (of Bacterial
	AS	19	Oliner, J Oxford Un	. D. et al., 'iversity Pres	" <i>In vivo</i> cloning of PCR pro s (1 993).	ducts in E. coli,"	Nucl. Acids R	es. 21 :5192-519
	AT	19	1	avaision of T	A helper-dependent adenoving the viral packaging signal, iences of the USA (1996).	rus vector system: " <i>Proc. Natl. Acad.</i>	Removal of he Sci. USA 93:	elper virus by (13565-13570, Th
3/1		1	<i>/</i> /					/ /
EXAMINER	1_		X			DATE CO	NSIDERED 3	1/2

O I P & C 100 U

Page 20 of 28

					ATTY. DOCKET 0652.2150001		APRO16 09/68	ATION NOOF	
		FORM PT	0-1449		APPLICANT				ì
11	NFORMAT I	ON DISCI	LOSURE STATE	MENT	Cotten et al	·	GROUP		
_				•	FILING DATE October 12,	2000	1646		
					.s. PATENT DOCUME				
XAMINER NITIAL		DOCUM	ENT NUMBER	DATE	NAME		CLASS	SUB-CLASS	FILING DATE
	AA						 	 	
	АВ						 -		
	AC								
	AD								
	AE						†		
	AF								
	AG_	+							
	AH	+-							
	AJ	+-						<u> </u>	
	AK			·					
				F	DREIGN PATENT DOCL	JMENTS			
EXAMINER INITIAL		DOCU	MENT NUMBER	DATE	COUNTRY		CLASS	SUB-CLASS	TRANSLATION
	1								Yes No
	AL_	+-							Yes No
	AM								Yes
	AN			 					Yes
	AO								No Yes
	AP	ļ							No
			OTHER	(Including Au	ithor, Title, Date	, Pertinent Pages,	etc.)		
515	AR	20	Petterssor Review," i (1986).	n, U., and Rob n <i>DNA Tumor V</i>	erts, R.J., "Aden iruses, Cold Sprir	ovirus Gene Expres ng Harbor Laborator	sion and Re ry, Cold Sp	plication: A ring Harbor,	Historical NY, pp. 37-57
	AS	20	Endocytos	is of DNA Com:	ne Transfer into H blexed with an Art an Chemical Socie	epatocytes Using A ificial Tetra-Ante ty (1992).	sialoglycop nnary Galac	rotein Recep tose Ligand,	tor Mediated " <i>Bioconjugate</i>
ST	,2 AT	20	Polyak, K Ltd (1997	., et al., "A	model for p53-inc	duced apoptosis," Λ	lature 389:3	00-305, Macm	illan Publishers
EXAMINER		7	7				DATE CONS	رکی GIDERED	/2
	<u>```</u>	Kenn if rotal	rence consider		or not citation	is in conformance this form with nex	with MPEP 6	09. Draw lin	ne through
citation if	not in	conform	ance and not	considered.	Include copy of	this form with nex	t communica	tion to Appl	icant.

O 1 P & C 100 Up a

Page 21 of 28

					ATTY. DOCKET NO.	APPL N	ATION NO.	Sprage 21 of 2
		FORM PT	0-1449		0652.2150001/EKS/PAJ APPLICANT		- MEM	
I)	NFORMAT I	ON DISC	LOSURE STATE	ME <u>NT</u>	Cotten et al.			
<u></u>					FILING DATE October 12, 2000	GROUP 1646		
				U.S	. PATENT DOCUMENTS			
XAMINER		DOCUM	ENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
NITIAC	AA	DUCUM	ENI NUMBER	·				
	AB	+						
	AC							
	AD						-	
	AE						 	
	AF			·		-		
	AG	 						
	AH	-						
	AI							
	AJ	-						
	AK	_\		FORE	IGN PATENT DOCUMENTS			
XAMINER	T	Ţ		<u></u>		01.400	CUD-CLASS	TRANSLATION
INITIAL		DOCU	MENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	Yes
	AL	1						No
	 	+-						Yes No
	AM			<u> </u>				Yes
	AN	ļ						No
	AN	+-						Yes No
	AO			<u> </u>				Yes
	100			1				No
	. AP		OTHER	(Including Auth	or, Title, Date, Pertinent Pag	jes, etc.)		
SH	AR	21	Robbins, A		naracterization of a Pseudorab ype 1 and Type 2 Glycoprotein	ios Virus Glyc	oprotein Gen 58:339-347, <i>I</i>	e with Homology American Society
	AS	21	Robinson, Academic P	A.J. <i>et al.</i> , "A ress (1973).	Circular DNA-Protein Complex	from Adenoviru	uses," Virol.	56 :54-69 ,
Spe	AT	21	Schaack, J β-Galactos	o., et al., "Eff sidase," J. Viro	icient Selection of Recombinar 17. 69:3920-3923, American Soc			That Express
EXAMINER		/_	11			DATE CONS	SIDERED 5/	7/2
		Con	- 78 G		not citation is in conforman	ce with MPEP 6	09. Draw li	me through
EXAMINER: I	initial i not in o	it reter conforma	ence constant ance and thot	considered. Ir	nclude copy of this form with	next communica	tion to Appl	icant.

					ATTY. DOCKET NO. 0652.2150001/EKS/PAJ	APPL TC 09/688	REMA 86.	
	F	ORM PTO-	1449		APPLICANT Cotten et al.			
<u>IN</u>	FORMAT 10	N DISCLO	SURE STATE	<u>4ENT</u>	FILING DATE October 12, 2000	GROUP 1646		
					S. PATENT DOCUMENTS			
		·				51.400	SUB-CLASS	FILING DATE
AMINER ITIAC		DOCUMEN	NT NUMBER	DATE	NAME	CLASS	JUB CLASS	,
TIAL	AA							
	AB				 			
	AC							
	AD	<u> </u>		 				
	AE	_		 	- 			
	AF	_		 				<u> </u>
	AG	_		 				
	AH	 		 				
	AI			 				
	AJ	┼		 				<u> </u>
	AK			FOI	REIGN PATENT DOCUMENTS			T
		<u> </u>				CLASS	SUB-CLASS	TRANSLATION
XAMINER NITIAL	l	DOCUM	ENT NUMBER	DATE	COUNTRY	GEAGE		Ye
				1				<u> </u>
	AL							Ye
	AM							Y
	AN							Y
	AO	- 1						Υ Υ
	- ~							
	AP				thor, Title, Date, Pertinent	Pages, etc.)		
			OTHER	(Including Au	thor, Ittle, bate, recent			
ST	AR	22	Schreurs, 62:2251-2	. C., et al., "(2257, American	Glycoprotein gIII of Pseudora Society for Microbiology (198	abies Virus Is Mu 88).	ultifunctiona	l," J. Virol.
	AS	22	Shenk, T Neuroscie 43-54 (1	ence Application	enoviruses as Vectors for Gen ns, Kaplitt, M.G. and Loewy,	e Therapy," in V A.D., eds., Acad	iral Vectors: demic Press,	Gene Therapy an San Diego, CA,
	E AT	22	Shenk, I	., "Adenovirid B.N., et al.,	ae: The Viruses and Their Rep eds., Lippincott-Raven Publis		elds Virology nia, PA, pp.	/, Third Edition 2111-2148 (1996
841		X	1 1					
EXAMINER		A,	1		or not citation is in confo Include copy of this form W	ļ	ONSIDERED 3	1/2

JAN 1 8 2001 10

Page 23 of 28

					ATTY. DOCKET NO. 0652.2150001/EKS/PAJ	APPL1 09/68	8,371	y Page 23 UI
		FORM PTO	- 1449		APPLICANT Cotten et al.			
<u>IN</u>	FORMATIC	ON DISCL	OSURE STATE	<u>MENT</u>	FILING DATE October 12, 2000	GROUP 1646		
					U.S. PATENT DOCUMENTS			
						CLASS	SUB-CLASS	FILING DATE
ITIAC		DOCUME	NT NUMBER	DATE	NAME			
	AA			<u> </u>				
	AB	 						
	AC	+						
	AE	+						
	AF	 						
	AG							
	АН			<u> </u>				
	AI			<u> </u>				
	AJ	 		 				
	AK				FOREIGN PATENT DOCUMENTS			
				'	FOREIGN PATENT DOCUMENTS			
AMINER		DOCUM	ENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
ITTIAL	 							N
	AL							Ye
	AM							N N
	- Air	_				Ì		Y ∈
	AN			 				Ye
	AO							<u> </u>
	- ^0 -							Y
	AP				Author, Title, Date, Pertiner	at Bogos etc.)		
5/-	AR	23			ch on Avian Coccidia: An Upd		148:479-499,	Bailliere Tinda
	AS	23	Soberon, Derivativ	x., et al., 'es of pBR322	"Construction and Characteriz and pBR325," <i>Gene</i> 9:287-305,	zation of New Clon , Elsevier/North-H	ing Vehicles: olland Biomed	IV. Deletion ical Press (198
SAF	AT	23	Stratford and Heart (1992).	H-Perricaudet t," J. Clin.	, L.D. et al., "Widespread Lo Invest. 90:626-630, The Ameri			Skeletal Muscl
						DATE CO	NSIDERED /	2/2
EXAMINER (l l	(5/	// =

JAN 1 8 2001 JAN 1 8 2001

					ATTY. DOCKET NO.	APPLIA	DEMARK.	Page 24 of
					0652.2150001/EKS/PAJ	09/688	,371	
		FORM PTO			APPLICANT Cotten et al.			
<u> 11</u>	NFORMATIC	ON DISCLO	SURE STATE	<u>MENT</u>	FILING DATE October 12, 2000	GROUP 1646		
					I.S. PATENT DOCUMENTS			
		1				CLASS	SUB-CLASS	FILING DATE
AMINER ITIAC		DOCUME	NT NUMBER	DATE	NAME	CLASS	000 02.100	
	AA						t	
	АВ						1	
	AC							
	AD							
	AE			 				
	AF			 				
	AG							
	AH			 				
	AI			 				<u> </u>
	AJ			 				
	AK				OREIGN PATENT DOCUMENTS			
					OREIGN PATENT SOCIAL			TRANSLATION
EXAMINER INITIAL		DOCUM	MENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	Ye
	AL			<u> </u>				Ye
								<u> </u>
	AM							Υ.
	AN	+		 				Υ.
	AO							Y
	AP		_					
			OTHER	(Including A	outhor, Title, Date, Pertinent F	ages, etc.)		
SH	AR	24	Talsma, H Pharmaceu	., et al., "S tics 157 :233 -	tabilization of gene delivery s 238, Elsevier Science B.V. (199	ystems by freezo	e-drying," <i>Ir</i>	ntl. J.
	AS	24	Taylor, M Gustav Fi	1.A., and Cato	chpole, J., "Coccidiosis of dom Jena (1994).	estic ruminants,	ա Appl. Para.	sitol. 35 :73-86
	AT	24			, "Infection of Eucaryotic Cell egion 1 Is Not Obligatory for I for Microbiology (1984).		ependent Recc iral DNA," J.	ombinant Virol. 50:606
15/	1	/ V	\sim					
EXAMINER		<u> </u>	9/			DATE CO	SIDERED 3/	7/2

Page 25 of 28 APPLICATE AND OF ATTY. DOCKET NO. 09/688,371 0652.2150001/EKS/PAJ **APPLICANT** FORM PTO-1449 Cotten et al. INFORMATION DISCLOSURE STATEMENT GROUP FILING DATE 1646 October 12, 2000 U.S. PATENT DOCUMENTS FILING DATE SUB-CLASS CLASS NAME EXAMINER DOCUMENT NUMBER DATE INITIAL AΑ AB AC AD ΑE ΑF AG AH ΑI AJ ΑK FOREIGN PATENT DOCUMENTS TRANSLATION SUB-CLASS CLASS COUNTRY Yes EXAMINER DOCUMENT NUMBER DATE No INITIAL Yes AL No 1)2 Yes AM No Yes AN No Yes AO OTHER (Including Author, Title, Date, Pertinent Pages, etc.) AP Vermeulen, A.N., "Progress in recombinant vaccine development against coccidiosis. A review and prospects into the new millennium," Intl. J. Parasitol. 28:1121-1130, Elsevier Science Ltd (July, <u>25</u> AR 1998). Vrati, S., et al., "Construction and Transfection of Ovine Adenovirus Genomic Clones to Rescue Modified Viruses," Virol. 220:200-203, Academic Press (1996). <u> 25</u> AS Weiss, R.S., et al., "Human Adenovirus Early Region 4 Open Reading Frame 1 Genes Encode Growth-Transforming Proteins That May Be Distantly Related to dUTP Pyrophosphatase Enzymes, J. Virol. 71:1857-1870, American Society for Microbiology (1997). <u>25</u> ΑT DATE CONSIDERED EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

P:\USERS\PJACKHAN\065Z\215\1\pto-IDS-1449

Page 26 of 28 APPEICATION NO. ATTY. DOCKET NO. 0652.2150001/EKS/PAJ FORM PTO-1449 **APPLICANT** Cotten et al. INFORMATION DISCLOSURE STATEMENT GROUP FILING DATE 1646 October 12, 2000 U.S. PATENT DOCUMENTS SUB-CLASS | FILING DATE CLASS EXAMINER NAME DOCUMENT NUMBER DATE INITIAL AΑ AB AC AD ΑE AF AG ΑH ΑI ΑJ AK FOREIGN PATENT DOCUMENTS TRANSLATION SUB-CLASS CLASS EXAMINER COUNTRY Yes DOCUMENT NUMBER DATE INITIAL No Yes AL No Yes AM No Yes AN No Yes ΑO OTHER (Including Author, Title, Date, Pertinent Pages, etc.) ΑP Wilson, C., and Kay, M.A., "Immunomodulation to enhance gene therapy," Nature Med. 1:887-889, Nature America Inc. (1995). <u> 26</u> AR Xu, Z.Z., et al., "Construction of Ovine Adenovirus Recombinants by Gene Insertion or Deletion of Related Terminal Region Sequences," Virol. 230:62-71, Academic Press (1997). AS <u> 26</u> Yates, V.J., and Fry, D.E., "Observations on a Chicken Embryo Lethal Orphan (CELO) Virus," Am. J. Vet. Res. 18:657-660, American Veterinary Medical Association (1957). <u>26</u> AT DATE CONSIDERED 5

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

OIPE 3C100 Has

age 27 of 28 APPLICATION NO. ATTY. DOCKET NO. 0652.2150001/EKS/PAJ FORM PTO-1449 APPLICANT Cotten et al. INFORMATION DISCLOSURE STATEMENT **GROUP** FILING DATE 1646 October 12, 2000 U.S. PATENT DOCUMENTS EXAMINER SUB-CLASS FILING DATE CLASS DATE NAME DOCUMENT NUMBER INITIAL AA ΑB AC AD ΑE AF AG ΑH ΑI ΑJ ΑK FOREIGN PATENT DOCUMENTS SUB-CLASS TRANSLATION EXAMINER CLASS DATE COUNTRY DOCUMENT NUMBER INITIAL Yes No AL. Yes No AM Yes No AN Yes No ΑO Yes No ΑP OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Zabner, J., et al., "Adenovirus-Mediated Gene Transfer to Ciliated Airway Epithelia Requires Prolonged Incubation Time, " J. Virol. 70:6994-7003, American Society for Microbiology (1996). 27 AR Zabner, J., et al., "Lack of High Affinity Fiber Receptor Activity Explains the Resistance of Ciliated Airway Epithelia to Adenovirus Infection," J. Clin. Investig. 100:1144-1149, The American <u>27</u> AS Society for Clinical Investigations, Inc. (1997). Zheng, B., et al., "The E1 sequence of bovine adenovirus type 3 and complementation of human adenovirus type 5 E1A function in bovine cells," Virus Res. 31:163-186, Elsevier Science B.V. <u>27</u> (1994). DATE CONSIDERED EXAMINER EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

JAN 1 8 2001 W Page 28 of 28

						ATTY. DOCKET NO. 0652.2150001/EKS/PA	J	APPL 16 09/688	THE MARK OF	
	1	FORM PTO	o-1449			APPLICANT				
IN	FORMAT IC	N DISCL	OSURE STATES	MENT		Cotten et al.		GROUP		
						FILING DATE October 12, 2000		1646		
					U.S.	PATENT DOCUMENTS				
AMINER	T	Ţ			T			01.400	SUB-CLASS	FILING DATE
ITIAE		DOCUME	NT NUMBER	DATE		NAME		CLASS	SUB-CLASS	TILING DATE
	AA	<u> </u>							 	
	AB				-+					
	AC	+								
	AD	 								
	AE AF	+								<u> </u>
	AG	+								
	AH									
	AI	 						 -		
	AJ							<u> </u>		
	AK									
					FOREIG	N PATENT DOCUMENTS		т		T
AMINER ITIAL		DOCUM	MENT NUMBER	DATE		COUNTRY		CLASS	SUB-CLASS	TRANSLATION
										<u> </u>
	AL_			 						Ye
	AM									Ye
								1		
	AN									Y
	AO	i						 		Y
								ļ	ļ	
	AP					Title Date Perti	nent Pages.	etc.)		
			OTHER	(Including	Author	, Title, Date, Perti	Hent rages,			
ST	AR	<u>28</u>	Co-Pending	U.S. Pate	ent Appl	ication No. 09/171,40	61, Baker et	: al., §102	2(e) Date: Ja	nuary 12, 1999.
	AS	28	Co-Pending	g U.S. Pate	ent Appl	ication No. 09/399,7	78, Cotten o	et al., fi	led September	21, 1999.
3/	- AT	28	English L	anguage Tra	anslatio	on of Document AL1, W	ao 97/40180.			<u> </u>
,	1	//								/ /
EXAMINER								DATE CON	SIDERED 3/	1/2